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TITLE : METHOD FOR SLOWING RELEASE OF DRUG

ABSTRACT : PURPOSE: To control the release of a drug, with little loss of the drug, by mixing a drug-containing granular carrier with a resin, and curing the mixture.

CONSTITUTION: A drug (e.g. insecticide, synergist, repellent, vermin repellent, fungicide, etc.) is supported on a granular carrier (e.g. silica, kaolin, wood flour, etc.) and mixed homogeneously with a resin (e.g. nitrocellulose, epoxy resin, polyester resin, etc.), and the mixture is cured to control the release of the drug. By the proper selection of the amounts of the carrier and resin, the blooming can be prevented, and the dissipation of the drug can be controlled extremely effectively. The amount of the resin is 0.1-50pts.wt. per 1pt.wt. of the carrier. The slow-release composition obtained by the above mixing and curing process is used as a slow-releasing material in combination with a supporting substrate (e.g. a plastic sheet such as polyethylene sheet).

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